

1 **CLAIMS OF THE INVENTION**

2 1. An intelligent system of medical words, phrases, terms and terminologies comprising a
3 pattern and hierarchies of medical words, phrases, terms and terminologies relating to
4 health, illnesses, diseases and disorders of humans or animals wherein a plurality of
5 series, groups, groupings, indexings and matrices of medical words, phrases, terms and
6 terminology intelligently adaptable to render the comparisons, linkings, matchings and
7 sortings of a layperson's or novice's word or words, phrase or phrases, term or terms and
8 terminology or terminologies relating to an illness, a disease, a disorder, symptoms and
9 signs to certain or specific medical words, phrases, terms and terminologies in and to
10 certain group, grouping or index in said plurality of series, groups, groupings, indexings
11 and matrices and vice versa, wherein a layperson's or novice's word, words, phrase,
12 phrases, term, terms, terminology, terminologies is or are intelligently rendered to
13 compare with, link to, match with certain or specific medical words, phrases, terms and
14 terminologies in and to certain group, grouping or index in said plurality of series, groups,
15 groupings, indexings and matrices and to sort in said plurality of series, groups,
16 groupings, indexings and matrices and vice versa, wherein a layperson's or novice's word,
17 words, phrase, phrases, term, terms, terminology, terminologies intelligently adaptable to
18 refer and link to, according to the inverted file structures and signature file structures,
19 certain word, words, phrase, phrases, term, terminology, terminologies in and certain
20 group, grouping or index in said series, groups, groupings, indexings and matrices and
21 vice versa, wherein a layperson's or novice's word, words, phrase, phrases, term, terms,
22 terminology, terminologies is or are intelligently rendered to retrieve certain word, words,
23 phrase, phrases, term, terminology, terminologies, group, groups, grouping, groupings,
24 index or indices from said series, groups, groupings, indexings, matrices and vice versa,
25 and wherein a series, groups, groupings, indexings and matrices of words, phrases, terms
26 and terminologies, group and grouping of words, phrases, terms and terminologies are
27 intelligently empowered to link to, match with and be retrieved by a layperson or novice's
28 word or words, phrase or phrases, term or terms and terminology or terminologies based
29 on a relationship or an association to an illness, a disease, a disorder, symptoms and signs

1 of a human or an animal comprises:

2 a term-by-document pattern of medical words, phrases, terms and terminologies relating
3 to health, illnesses, diseases and disorders including symptoms and signs of humans or
4 animals;

5 a term-by-document pattern of medical words, phrases, terms and terminologies relating
6 to health, illnesses, diseases and disorders including symptoms and signs of humans or
7 animals and physicians' demographics relating to said illness, disease or disorder
8 including symptoms and signs;

9 a plurality of groups of medical words, phrases, terms and terminology wherein each
10 group comprises words, phrases, terms and terminologies relating to an illness, a disease
11 or a disorder including symptoms and signs;

12 a plurality of groups of medical words, phrases, terms and terminologies wherein each
13 group comprises words, phrases, terms and terminologies relating to an illness, a disease
14 or a disorder including symptoms and signs and physicians' demographics relating to said
15 illness, disease or disorder including symptoms and signs;

16 a plurality of groupings of medical words, phrases, terms and terminologies wherein each
17 grouping of words, phrases, terms and terminologies relating to an illness, a disease or a
18 disorder including symptoms and signs;

19 a plurality of groupings of medical words, phrases, terms and terminologies wherein each
20 grouping of words, phrases, terms and terminologies relating to an illness, a disease or a
21 disorder including symptoms and signs and physicians' demographics relating to said
22 illness, disease or disorder including symptoms and signs;

23 a series of medical words, phrases, terms and terminologies relating to an illness, a
24 disease and a disorder including symptoms and signs;

25 a plurality of series of medical medical words, phrases, terms and terminologies wherein
26 a series of words, phrases, terms and terminologies relating to an illness, a disease or a

1 disorder including symptoms and signs;

2 a plurality of series of medical medical words, phrases, terms and terminologies wherein
3 a series of words, phrases, terms and terminologies relating to an illness, a disease or a
4 disorder including symptoms and signs and physicians' demographics relating to said
5 illness, disease or disorder including symptoms and signs;

6 an indexing of medical words, phrases, terms and terminologies relating to an illness, a
7 disease or a disorder including symptoms and signs;

8 indexings of medical words, phrases, terms and terminologies wherein each indexing of
9 words, phrases, terms and terminologies relating to an illness, a disease or a disorder
10 including symptoms and signs;

11 indexings of medical words, phrases, terms and terminologies wherein each indexing of
12 words, phrases, terms and terminologies relating to an illness, a disease or a disorder
13 including symptoms and signs and physicians' demographics relating to said illness,
14 disease or disorder including symptoms and signs;

15 said word, phrase, term or terminology is a vector in the vector space information
16 retrieval model;

17 said words, phrases, terms or terminologies are vectors in the vector space information
18 retrieval model.

19 2. The system according to claim 1 wherein said indexings of words, phrases, terms and
20 terminology includes conceptual-based indexing.

21 3. The conceptual-based indexing according to claim 2 includes latent semantic indexing.

22 4. The system according to claim 1 comprises document analysis of words, phrases, terms
23 and terminologies.

24 5. The system according to claim 1 comprises token analysis of words, phrases, terms and
25 terminologies.

26 6. The decipherment of a certain or specific pattern of medical words, phrases, terms,

terminology and terminologies comprising certain or specific hierarchies of medical words, phrases, terms, terminology and terminologies relating to health, illnesses, diseases and disorders of humans or animals wherein a plurality of series, groups, groupings, indexings and matrices of medical words, phrases, terms and terminology intelligently adaptable to render the comparisons, linkings, matchings and sortings of a layperson's or novice's word or words, phrase or phrases, term or terms and terminology or terminologies relating to an illness, a disease, a disorder, symptoms and signs to certain or specific medical words, phrases, terms and terminologies in and to certain group, grouping or index in said plurality of series, groups, groupings, indexings and matrices and vice versa, wherein a layperson's or novice's word, words, phrase, phrases, term, terms, terminology, terminologies is or are intelligently rendered to compare with, link to, match with certain or specific medical words, phrases, terms and terminologies in and to certain group, grouping or index in said plurality of series, groups, groupings, indexings and matrices and to sort in said plurality of series, groups, groupings, indexings and matrices and vice versa, wherein a layperson's or novice's word, words, phrase, phrases, term, terms, terminology, terminologies intelligently adaptable to refer and link to, according to the inverted file structures and signature file structures, certain word, words, phrase, phrases, term, terminology, terminologies in and certain group, grouping or index in said series, groups, groupings, indexings and matrices and vice versa, wherein a layperson's or novice's word, words, phrase, phrases, term, terms, terminology, terminologies is or are intelligently rendered to retrieve certain word, words, phrase, phrases, term, terminology, terminologies, group, groups, grouping, groupings, index or indices from said series, groups, groupings, indexings, matrices and vice versa, and wherein a series, groups, groupings, indexings and matrices of words, phrases, terms and terminologies, group and grouping of words, phrases, terms and terminologies are intelligently empowered to link to, match with and be retrieved by a layperson or novice's word or words, phrase or phrases, term or terms and terminology or terminologies based on a relationship or an association to an illness, a disease, a disorder, symptoms and signs of a human or an animal comprises:

1 a term-by-document pattern of medical words, phrases, terms and terminologies relating
2 to health, illnesses, diseases and disorders including symptoms and signs of humans or
3 animals;

4 a term-by-document pattern of medical words, phrases, terms and terminologies relating
5 to health, illnesses, diseases and disorders including symptoms and signs of humans or
6 animals and physicians' demographics relating to said illness, disease or disorder
7 including symptoms and signs;

8 a plurality of groups of medical words, phrases, terms and terminology wherein each
9 group comprises words, phrases, terms and terminologies relating to an illness, a disease
10 or a disorder including symptoms and signs;

11 a plurality of groups of medical words, phrases, terms and terminologies wherein each
12 group comprises words, phrases, terms and terminologies relating to an illness, a disease
13 or a disorder including symptoms and signs and physicians' demographics relating to said
14 illness, disease or disorder including symptoms and signs;

15 a plurality of groupings of medical words, phrases, terms and terminologies wherein each
16 grouping of words, phrases, terms and terminologies relating to an illness, a disease or a
17 disorder including symptoms and signs;

18 a plurality of groupings of medical words, phrases, terms and terminologies wherein each
19 grouping of words, phrases, terms and terminologies relating to an illness, a disease or a
20 disorder including symptoms and signs and physicians' demographics relating to said
21 illness, disease or disorder including symptoms and signs;

22 a series of medical words, phrases, terms and terminologies relating to an illness, a
23 disease and a disorder including symptoms and signs;

24 a plurality of series of medical medical words, phrases, terms and terminologies wherein
25 a series of words, phrases, terms and terminologies relating to an illness, a disease or a
26 disorder including symptoms and signs;

1 a plurality of series of medical medical words, phrases, terms and terminologies wherein
2 a series of words, phrases, terms and terminologies relating to an illness, a disease or a
3 disorder including symptoms and signs and physicians' demographics relating to said
4 illness, disease or disorder including symptoms and signs;

5 an indexing of medical words, phrases, terms and terminologies relating to an illness, a
6 disease or a disorder including symptoms and signs;

7 indexings of medical words, phrases, terms and terminologies wherein each indexing of
8 words, phrases, terms and terminologies relating to an illness, a disease or a disorder
9 including symptoms and signs;

10 indexings of medical words, phrases, terms and terminologies wherein each indexing of
11 words, phrases, terms and terminologies relating to an illness, a disease or a disorder
12 including symptoms and signs and physicians' demographics relating to said illness,
13 disease or disorder including symptoms and signs;

14 said word, phrase, term or terminology is a vector in the vector space information
15 retrieval model;

16 said words, phrases, terms or terminologies are vectors in the vector space information
17 retrieval model.

18 7. A discovery of a certain or specific pattern of medical words, phrases, terms,
19 terminology and terminologies comprising certain or specific hierarchies of medical
20 words, phrases, terms, terminology and terminologies relating to health, illnesses,
21 diseases and disorders of humans or animals wherein a plurality of series, groups,
22 groupings, indexings and matrices of medical words, phrases, terms and terminology
23 intelligently adaptable to render the comparisons, linkings, matchings and sortings of a
24 layperson's or novice's word or words, phrase or phrases, term or terms and terminology
25 or terminologies relating to an illness, a disease, a disorder, symptoms and signs to certain
26 or specific medical words, phrases, terms and terminologies in and to certain group,
27 grouping or index in said plurality of series, groups, groupings, indexings and matrices

1 and vice versa, wherein a layperson's or novice's word, words, phrase, phrases, term,
2 terms, terminology, terminologies is or are intelligently rendered to compare with, link to,
3 match with certain or specific medical words, phrases, terms and terminologies in and to
4 certain group, grouping or index in said plurality of series, groups, groupings, indexings
5 and matrices and to sort in said plurality of series, groups, groupings, indexings and
6 matrices and vice versa, wherein a layperson's or novice's word, words, phrase, phrases,
7 term, terms, terminology, terminologies intelligently adaptable to refer and link to,
8 according to the inverted file structures and signature file structures, certain word, words,
9 phrase, phrases, term, terminology, terminologies in and certain group, grouping or index
10 in said series, groups, groupings, indexings and matrices and vice versa, wherein a
11 layperson's or novice's word, words, phrase, phrases, term, terms, terminology,
12 terminologies is or are intelligently rendered to retrieve certain word, words, phrase,
13 phrases, term, terminology, terminologies, group, groups, grouping, groupings, index or
14 indices from said series, groups, groupings, indexings, matrices and vice versa, and
15 wherein a series, groups, groupings, indexings and matrices of words, phrases, terms and
16 terminologies, group and grouping of words, phrases, terms and terminologies are
17 intelligently empowered to link to, match with and be retrieved by a layperson or novice's
18 word or words, phrase or phrases, term or terms and terminology or terminologies based
19 on a relationship or an association to an illness, a disease, a disorder, symptoms and signs
20 of a human or an animal comprises:

21 a term-by-document pattern of medical words, phrases, terms and terminologies relating
22 to health, illnesses, diseases and disorders including symptoms and signs of humans or
23 animals;

24 a term-by-document pattern of medical words, phrases, terms and terminologies relating
25 to health, illnesses, diseases and disorders including symptoms and signs of humans or
26 animals and physicians' demographics relating to said illness, disease or disorder
27 including symptoms and signs;

28 a plurality of groups of medical words, phrases, terms and terminology wherein each

1 group comprises words, phrases, terms and terminologies relating to an illness, a disease
2 or a disorder including symptoms and signs;

3 a plurality of groups of medical words, phrases, terms and terminologies wherein each
4 group comprises words, phrases, terms and terminologies relating to an illness, a disease
5 or a disorder including symptoms and signs and physicians' demographics relating to said
6 illness, disease or disorder including symptoms and signs;

7 a plurality of groupings of medical words, phrases, terms and terminologies wherein each
8 grouping of words, phrases, terms and terminologies relating to an illness, a disease or a
9 disorder including symptoms and signs;

10 a plurality of groupings of medical words, phrases, terms and terminologies wherein each
11 grouping of words, phrases, terms and terminologies relating to an illness, a disease or a
12 disorder including symptoms and signs and physicians' demographics relating to said
13 illness, disease or disorder including symptoms and signs;

14 a series of medical words, phrases, terms and terminologies relating to an illness, a
15 disease and a disorder including symptoms and signs;

16 a plurality of series of medical medical words, phrases, terms and terminologies wherein
17 a series of words, phrases, terms and terminologies relating to an illness, a disease or a
18 disorder including symptoms and signs;

19 a plurality of series of medical medical words, phrases, terms and terminologies wherein
20 a series of words, phrases, terms and terminologies relating to an illness, a disease or a
21 disorder including symptoms and signs and physicians' demographics relating to said
22 illness, disease or disorder including symptoms and signs;

23 an indexing of medical words, phrases, terms and terminologies relating to an illness, a
24 disease or a disorder including symptoms and signs;

25 indexings of medical words, phrases, terms and terminologies wherein each indexing of
26 words, phrases, terms and terminologies relating to an illness, a disease or a disorder

- 1 including symptoms and signs;
- 2 indexings of medical words, phrases, terms and terminologies wherein each indexing of
- 3 words, phrases, terms and terminologies relating to an illness, a disease or a disorder
- 4 including symptoms and signs and physicians' demographics relating to said illness,
- 5 disease or disorder including symptoms and signs;
- 6 said word, phrase, term or terminology is a vector in the vector space information
- 7 retrieval model;
- 8 said words, phrases, terms or terminologies are vectors in the vector space information
- 9 retrieval model.